Notice of Allowability	Application No. Applicant(s)		
	10/084,776	PANICCIA, MARIO J.	
	Examiner	Art Unit	
	John D. Lee	2874	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate com IGHTS. This application is	In this application. If not include munication will be mailed in due	ded e course. THIS
 This communication is responsive to the amendment filed The allowed claim(s) is/are 1-3 and 5-30. The drawings filed on 06 October 2003 are accepted by th Acknowledgment is made of a claim for foreign priority und a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	e Examiner. der 35 U.S.C. § 119(a)-(d e been received. e been received in Applica	ation No	ation from the
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority u (a) The translation of the foreign language provisional a 6. Acknowledgment is made of a claim for domestic priority u Applicant has THREE MONTHS FROM THE "MAILING DATE" or below. Failure to timely comply will result in ABANDONMENT of	application has been receinder 35 U.S.C. §§ 120 and this communication to file	ved. d/or 121. e a reply complying with the req	
7. A SUBSTITUTE OATH OR DECLARATION must be subninFORMAL PATENT APPLICATION (PTO-152) which gives reas			NOTICE OF
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No. (b) including changes required by the proposed drawing or including changes required by the attached Examiner 	correction filed, w	hich has been approved by the	
Identifying indicia such as the application number (see 37 CFR 1 each sheet.	.84(c)) should be written or	n the drawings in the front (not th	e back) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T 			Note the
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449), Paper No Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4∐ Interv 6⊠ Exam	e of Informal Patent Application iew Summary (PTO-413), Pape iner's Amendment/Comment iner's Statement of Reasons for	r No

An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR § 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In claim 12, line **2**, "a" has been deleted;

In claim 23, line 1, "the tuning" has been deleted;

In claim 24, line 1, "the tuning" has been deleted; and

✓ In claim 29, line 1, "of claim" has been inserted before "25".

The above indicated amendments are required for purely grammatical purposes.

No consultation with applicant or applicant's representative is deemed necessary.

EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

The following is an Examiner's Statement of Reasons for Allowance: After an updated search, U.S. Patent Application Publication 2003/0021305 A1 to Lundqvist, U.S. Patent 6,330,255 to Hung, and U.S. Patent 6,172,791 to Gill remain the closest prior art documents of record. Applicant has amended the claims of the present application to require that the optical modulator include a plurality of capacitors having charge modulated regions in the semiconductor substrate, and that the charge modulated regions of the capacitors modulate the optical beam generated from the gain medium when the optical beam is directed through the semiconductor substrate and through the charge modulated regions of the capacitors. After careful study of the Lundqvist, Hung, and Gill references, the Examiner agrees that the references do not

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disclose or suggest these claim limitations. Only the Gill reference discusses capacitors

in a waveguide coupling structure, but the Examiner agrees (for the reasons stated on

page 16 of the latest response) that Gill's arrangement is totally different than that being

claimed herein. Claims 1-3 and 5-30 herein are therefore allowed.

The ten (10) sheets of formal drawing filed on October 6, 2003, are acceptable.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning the merits of this communication should be directed to

Examiner John D. Lee at telephone number (703) 308-4886. The Examiner's normal

work schedule is Tuesday through Friday, 6:30 AM to 5:00 PM. Any inquiry of a general

or clerical nature (i.e. a request for a missing form or paper, etc.) should be directed to

the Technology Center 2800 receptionist at telephone number (703) 308-0956, to the

technical support staff supervisor (Team 2) at telephone number (703) 308-3072, or to

the Technology Center 2800 Customer Service Office at telephone number (703) 306-

3329.

Group Art Unit 2874